

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	52	(histone adj deacetylase adj 2!) OR (histone adj deacetylase-2) OR (histone adj deacetylase adj II!) OR (histone adj deacetylase-II)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/30 12:34
L2	0	L1 AND (cronin.in. or hilgers.in. or knuth.in. or navre.in. or sang.in. or skene.in. or tari.in. or wilson.in. or witmer.in. or zou.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/30 12:34
S6	180	hdac2 or hdac-2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 17:01
S7	3	S6 same crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:04
S8	180	hdac2 or hdac-2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:04
S9	49	S8 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:04
S10	1	S8 and crystal.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:05
S11	2	"6812339".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 16:06
S12	52	(histone adj deacetylase adj 2!) OR (histone adj deacetylase-2) OR (histone adj deacetylase adj II!) OR (histone adj deacetylase-II)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/30 12:33
S13	0	S12 same crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 17:02
S14	6	S12 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/28 17:02



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▶ Narrow Query

▶ Sort Results

▶ Results per Page

■ Show Query Details

Results Help

◀ 1 2 3 ▶

☒ 1C3S



Characteristics

Classification

Compound

Authors

CRYSTAL STRUCTURE OF AN HDAC HOMOLOG COMPLEXED WITH SAHA

Release Date: 15-Sep-1999 Exp. Method:

Resolution: 2.50 Å

Lyase

Mol. Id: 1 Molecule: Hdlp (histone Deacety

Mutation: C75S, C77S

Finnin, M.S., Donigian, J.R., Cohen V.M., Rifkind, R.A., Marks, P.A., Br R., Pavletich, N.P.

☒ 1VKG



Characteristics

Classification

Compound

Authors

Crystal Structure of Human HDAC8 complexed with CRA-19156

Release Date: 27-Jul-2004 Exp. Method:

Resolution: 2.20 Å

Hydrolase

Mol. Id: 1 Molecule: Histone Deacetylase 8

Somoza, J.R., Skene, R.J., Katz, B., C., Ho, J.D., Jennings, A.J., Luong, A., Buggy, J.J., Chi, E., Tang, J., Si C., Verner, E., Wynands, R., Leahy E.M., Dougan, D.R., Snell, G., Navr M.W., Swanson, R.V., McRee, D.E.,

☒ 1Q17



Characteristics

Classification

Compound

Authors

Structure of the yeast Hst2 protein deacetylase in ternary complex with acetyl ADP ribose and histone pept

Release Date: 18-Nov-2003 Exp. Method:

Resolution: 2.70 Å

Hydrolase

Mol. Id: 1 Molecule: Hst2 Protein Fragment Deacetylase

Zhao, K., Chai, X., Marmorstein, R.

☒ 1T64



Characteristics

Classification

Compound

Crystal Structure of human HDAC8 complexed with Trichostatin A

Release Date: 27-Jul-2004 Exp. Method:

Resolution: 1.90 Å

Hydrolase

Mol. Id: 1 Molecule: Histone Deacetylase 8



Authors

Somoza, J.R., Skene, R.J., Katz, B., C., Ho, J.D., Jennings, A.J., Luong, A., Buggy, J.J., Chi, E., Tang, J., S. C., Verner, E., Wynands, R., Leahy E.M., Dougan, D.R., Snell, G., Navr M.W., Swanson, R.V., McRee, D.E.,

☒ 1QK9

THE SOLUTION STRUCTURE OF THE DOMAIN FROM MECP2 THAT BINDS METHYLATED DNA



Characteristics
Classification

Release Date: 08-Oct-1999 Exp. Method:
Methyl Cpg Binding Protein

Compound

Mol. Id: 1 Molecule: Methyl Cpg Binding Pr
Fragment: Mcpg Binding Domain of Mecp2

Authors

Wakefield, R.I., Smith, B.O., Nan, A., Soteriou, A., Uhrin, D., Bird, A. P.N.

☒ 1Q14

Structure and autoregulation of the Hst2 homolog of Sir2



Characteristics

Release Date: 30-Sep-2003 Exp. Method:

Classification

Resolution: 2.50 Å

Compound

Mol. Id: 1 Molecule: Hst2 Protein

Fragment: Histone/protein Deacetylase

Authors

Zhao, K., Chai, X., Clements, A., M.

☒ 1W22

CRYSTAL STRUCTURE OF INHIBITE HUMAN HDAC8



Characteristics

Release Date: 24-Sep-2004 Exp. Method:

Classification

Resolution: 2.50 Å

Compound

Mol. Id: 1 Molecule: Histone Deacetylase 8

Vannini, A., Volpari, C., Filocamo, Casavola, E., Brunetti, M., Renzoni D., Chakravarty, P., Paolini, C., De R., Gallinari, P., Steinckuhler, C., I

Authors

☒ 1C3R

CRYSTAL STRUCTURE OF AN HDAC HOMOLOG COMPLEXED WITH TRICHOSTATIN A



Characteristics

Release Date: 15-Sep-1999 Exp. Method:

Classification

Resolution: 2.00 Å

Compound

Mol. Id: 1 Molecule: Hdip (histone Deacety
Mutation: C75S, C77S

Authors

Finnin, M.S., Donigian, J.R., Cohen V.M., Rifkind, R.A., Marks, P.A., Br R., Pavletich, N.P.

☒ 2FZQ

CRYSTAL STRUCTURE OF HUMAN S HOMOLOG 5 IN COMPLEX WITH Su

Release Date: 28-Feb-2006 Exp. Method:

**Characteristics****Classification****Compound****Authors**

Resolution: 2.06 Å

Hydrolase

Mol. Id: 1 Molecule: NAD Dependent Deacetylase
Antoshenko, T., Min, J.R., Allali-Haoui, A., Dong, A., Weigelt, J., Sundstrom, M., Arrowsmith, C.H., Edwards, R.J.D., A.M., Bochkarev, A., Plotnikov, A.M.

☒ **1J8F****Characteristics****Classification****Compound****Authors****HUMAN SIRT2 HISTONE DEACETYLASE**

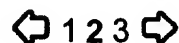
Release Date: 06-Jul-2001 Exp. Method: X-ray

Resolution: 1.70 Å

Gene Regulation Transferase

Mol. Id: 1 Molecule: Sirtuin 2 Isoform 1

Finnin, M.S., Donigian, J.R., Pavletich, N.P.



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Sort Results

Results per Page

☒ Show Query Details

Results Help

1 2 3

☒ 1SZC



Characteristics

Classification

Compound

Authors

Structural basis for nicotinamide cl and ADP-ribose transfer by NAD+-dependent Sir2 histone/protein deacetylases

Release Date: 15-Jun-2004 Exp. Method:

Resolution: 1.75 Å

Gene Regulation

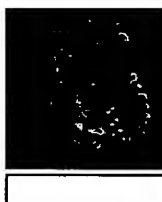
Mol. Id: 1 Molecule: NAD Dependent Deace

Fragment: Catalytic Core Domain Mol. Id: 1

Molecule: Histone H4 Peptide

Zhao, K., Harshaw, R., Chai, X., Ma

☒ 1SZD



Characteristics

Classification

Compound

Authors

Structural basis for nicotinamide cl and ADP-ribose transfer by NAD+-dependent Sir2 histone/protein deacetylases

Release Date: 15-Jun-2004 Exp. Method:

Resolution: 1.50 Å

Gene Regulation

Mol. Id: 1 Molecule: NAD Dependent Deace

Fragment: Catalytic Core Domain Mol. Id: 1

Molecule: Histone H4 Peptide

Zhao, K., Harshaw, R., Chai, X., Ma

☒ 2CZY



Characteristics

Classification

Compound

Authors

Solution structure of the NRSF/RE5 mSin3B PAH1 complex

Release Date: 20-Dec-2005 Exp. Method:

Gene Regulation

Mol. Id: 1 Molecule: Paired Amphipathic He

Fragment: Pah1 Domain (residues 31 107)

Molecule: Transcription Factor Rest (version 1

Interaction Domain (residues 43 57)

Nomura, M., Uda-Tochio, H., Murai

N., Nishimura, Y.

☒ 1XC5



Characteristics
Classification

Solution Structure of the SMRT Deacetylase Activation Domain

Release Date: 03-May-2005 Exp. Method:

Transcription Corepressor

**Compound****Authors**

Mol. Id: 1 Molecule: Nuclear Receptor Core
 Fragment: Deacetylase Activation Domain (re
 Codina, A., Love, J.D., Li, Y., Lazar
 M.A., Neuhaus, D., Schwabe, J.W.F

☒ **2F05****Characteristics****Classification****Compound****Authors**

Solution structure of free PAH2 dom
mSin3B

Release Date: 28-Mar-2006 **Exp. Method:**
Transcription Repressor

Mol. Id: 1 Molecule: Paired Amphipathic He
 Fragment: Pah2 Domain (residues 148 252)
 van Ingen, H., Baltussen, M.A., Ae
 G.W.

☒ **1T67****Characteristics****Classification****Compound****Authors**

Crystal Structure of Human HDAC8
complexed with MS-344

Release Date: 27-Jul-2004 **Exp. Method:**

Resolution: 2.31 Å

Hydrolase

Mol. Id: 1 Molecule: Histone Deacetylase 8
 Somoza, J.R., Skene, R.J., Katz, B.,
 C., Ho, J.D., Jennings, A.J., Luong,
 A., Buggy, J.J., Chi, E., Tang, J., Si
 C., Verner, E., Wynands, R., Leahy
 E.M., Dougan, D.R., Snell, G., Navr
 M.W., Swanson, R.V., McRee, D.E.,

☒ **1T69****Characteristics****Classification****Compound****Authors**

Crystal Structure of human HDAC8
complexed with SAHA

Release Date: 27-Jul-2004 **Exp. Method:**

Resolution: 2.91 Å

Hydrolase

Mol. Id: 1 Molecule: Histone Deacetylase 8
 Somoza, J.R., Skene, R.J., Katz, B.,
 C., Ho, J.D., Jennings, A.J., Luong,
 A., Buggy, J.J., Chi, E., Tang, J., Si
 C., Verner, E., Wynands, R., Leahy
 E.M., Dougan, D.R., Snell, G., Navr
 M.W., Swanson, R.V., McRee, D.E.,

☒ **1Q1A****Characteristics****Classification****Compound****Authors**

Structure of the yeast Hst2 protein
deacetylase in ternary complex wit
acetyl ADP ribose and histone pept

Release Date: 18-Nov-2003 **Exp. Method:**

Resolution: 1.50 Å

Gene Regulation

Mol. Id: 1 Molecule: Hst2 Protein **Fragment:**
 Deletion of Hst2 **Mol. Id: 2** Molecule: Hist
 Fragment: Residues 12 21

Zhao, K., Chai, X., Marmorstein, R.

CRYSTAL STRUCTURE OF AN HDAC

☒ 1C3P**Characteristics****Classification****Compound****Authors****HOMOLOG FROM AQUIFEX AEOLIC**

Release Date: 15-Sep-1999 Exp. Method:

Resolution: 1.80 Å

Lyase

Mol. Id: 1 Molecule: Protein (hdlp (histone Protein))

Finnin, M.S., Donigian, J.R., Cohen V.M., Rifkind, R.A., Marks, P.A., Br R., Pavletich, N.P.

☒ 1TQE**Characteristics****Classification****Compound****Authors****Mechanism of recruitment of class histone deacetylases by myocyte enhancer factor-2**

Release Date: 21-Dec-2004 Exp. Method:

Resolution: 2.70 Å

Transcription/protein Binding/dna

Mol. Id: 1 Molecule: Mef2 Binding Site of N

Mol. Id: 2 Molecule: Mef2 Binding Site of N

Mol. Id: 3 Molecule: Myocyte Specific Enha

Fragment: Residues 1 93 Mol. Id: 4 Mole

Deacetylase 9 Fragment: Residues 138 158

Han, A., He, J., Wu, Y., Liu, J.O., C

1 2 3 ↩

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